

WHAT IS CLAIMED IS:

1. A method for posting advertisements, comprising the steps of:

5 (a) displaying multiple Web pages on a display screen of a comprehensive information viewing device capable of enlarging or contracting each Web page at arbitrary magnification rate smoothly, rotating each Web page at arbitrary angle smoothly, arbitrarily varying and  
10 controlling transparency level of a plurality of Web pages that are arranged in superposition such that any overlapped hidden portion can be made visible, and three-dimensionally arranging the multiple Web pages such that the multiple Web pages can be viewed from arbitrary angle; and

15 (b) displaying advertisements on the display screen of the comprehensive information viewing device at arbitrary positions, angles, sizes and transparency levels, in relation to the multiple Web pages displayed by the step (a).

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2. The method of claim 1, further comprising the step of determining a position for displaying each advertisement according to attribute information of each Web page displayed on the display screen.

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3. The method of claim 1, further comprising the step of selecting each advertisement to be displayed in relation to each Web page according to attribute information of each Web page displayed on the display screen.

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4. The method of claim 1, further comprising the step of:

(c) displaying overlay information in superposition to the multiple Web pages displayed by the step (a), wherein the step (b) displays the advertisements in relation to the  
35 multiple Web pages and the overlay information.

5. The method of claim 4, wherein the step (c) displays the overlay information in animation, and the step (b) displays the advertisements in animation in accordance with the overlay information displayed in animation.

6. The method of claim 4, further comprising the step of determining a position for displaying each advertisement according to a user attribute information contained in the overlay information displayed on the display screen.

7. The method of claim 1, further comprising the step of searching the multiple Web pages to be displaying by the step (a) according to a user input at the comprehensive information viewing device.

8. The method of claim 1, further comprising the step of: obtaining images of the multiple Web pages to be displayed by the step (a) and providing the images to the comprehensive information viewing device in response to Web page image requests from the comprehensive information viewing device, at a plurality of Web page image formation devices provided on a network to which the comprehensive information viewing device is connected.

9. The method of claim 8, wherein at the obtaining step, the Web page image formation devices obtain the images requested by the comprehensive information viewing device by acquiring data of the multiple Web page from Web servers and carrying out image formation processing for the multiple Web pages, by using existing Web browsers respectively provided in the Web page image formation devices.

10. The method of claim 8, wherein at the obtaining step, each Web page image formation devices has a Web page image storing unit for storing existing images of some Web pages in advance, and obtains each image by reading out the  
5 existing image stored in the Web page image storing unit when an image of a Web page requested from the comprehensive information viewing device is stored in the Web page image storing unit.

10 11. The method of claim 8, wherein at the obtaining step, the plurality of Web page image formation devices share a common Web page image storing unit for storing existing images of some Web pages in advance which is provided on a network to which the plurality of Web page image formation  
15 devices are connected, and obtain each image by reading out the existing image stored in the common Web page image storing unit when an image of a Web page requested from the comprehensive information viewing device is stored in the common Web page image storing unit.

20 12. The method of claim 8, further comprising the step of distributing the Web page image requests from the comprehensive information viewing device among the plurality of Web page image formation devices according to  
25 a loaded state of each Web page image formation device, at a load balancing server provided between the comprehensive information viewing device and the plurality of Web page image formation devices.

30 13. A system for posting advertisements, comprising:  
a Web page display unit configured to display multiple Web pages on a display screen of a comprehensive  
information display device capable of enlarging or  
contracting each Web page at arbitrary magnification rate  
35 smoothly, rotating each Web page at arbitrary angle

smoothly, arbitrarily varying and controlling transparency level of a plurality of Web pages that are arranged in superposition such that any overlapped hidden portion can be made visible, and three-dimensionally arranging the multiple Web pages such that the multiple Web pages can be viewed from arbitrary angle; and

an advertisement display unit configured to display advertisements on the display screen of the comprehensive information viewing device at arbitrary positions, angles, sizes and transparency levels, in relation to the multiple Web pages displayed by the Web page display unit.

14. The system of claim 13, wherein the advertisement display unit is configured to determine a position for displaying each advertisement according to attribute information of each Web page displayed on the display screen.

15. The system of claim 13, wherein the advertisement display unit is configured to select each advertisement to be displayed in relation to each Web page according to attribute information of each Web page displayed on the display screen.

16. The system of claim 13, further comprising:

an overlay display unit configured to display overlay information in superposition to the multiple Web pages displayed by the Web page display unit, wherein the advertisement display unit displays the advertisements in relation to the multiple Web pages and the overlay information.

17. The system of claim 16, wherein the overlay display unit is configured to display the overlay information in animation, and the advertisement display unit is configured

to display the advertisements in animation in accordance with the overlay information displayed in animation.

18. The system of claim 16, wherein the advertisement  
5 display unit is configured to determine a position for displaying each advertisement according to attribute information of the overlay information displayed on the display screen.

10 19. The system of claim 13, further comprising:  
a search unit configured to search the multiple Web pages to be displaying by the Web page display unit according to a user input at the comprehensive information viewing device.

15 20. The system of claim 13, further comprising:  
a plurality of Web page image formation devices, provided on a network to which the comprehensive information viewing device is connected, configured to  
20 obtain images of the multiple Web pages to be displayed by the Web page display unit and provide the images to the comprehensive information viewing device in response to Web page image requests from the comprehensive information viewing device.

25 21. The system of claim 20, wherein the Web page image formation devices obtain the images requested by the comprehensive information viewing device by acquiring data of the multiple Web page from Web servers and carrying out  
30 image formation processing for the multiple Web pages, by using existing Web browsers respectively provided in the Web page image formation devices.

22. The system of claim 20, wherein each Web page image  
35 formation devices has a Web page image storing unit for

storing existing images of some Web pages in advance, and obtains each image by reading out the existing image stored in the Web page image storing unit when an image of a Web page requested from the comprehensive information viewing  
5 device is stored in the Web page image storing unit.

23. The system of claim 20, wherein the plurality of Web page image formation devices share a common Web page image storing unit for storing existing images of some Web pages  
10 in advance which is provided on a network to which the plurality of Web page image formation devices are connected, and obtain each image by reading out the existing image stored in the common Web page image storing unit when an image of a Web page requested from the  
15 comprehensive information viewing device is stored in the common Web page image storing unit.

24. The system of claim 20, further comprising:  
a load balancing server, provided between the  
20 comprehensive information viewing device and the plurality of Web page image formation devices, configured to distribute the Web page image requests from the comprehensive information viewing device among the plurality of Web page image formation devices according to  
25 a loaded state of each Web page image formation device.

25. A comprehensive information display device, comprising:  
a Web page display unit configured to display multiple  
30 Web pages on a display screen, which is capable of enlarging or contracting each Web page at arbitrary magnification rate smoothly, rotating each Web page at arbitrary angle smoothly, arbitrarily varying and controlling transparency level of a plurality of Web pages  
35 that are arranged in superposition such that any overlapped

hidden portion can be made visible, and three-dimensionally arranging the multiple Web pages such that the multiple Web pages can be viewed from arbitrary angle; and

an advertisement display unit configured to display advertisements on the display screen at arbitrary positions, angles, sizes and transparency levels, in relation to the multiple Web pages displayed by the Web page display unit.

26. The device of claim 25, wherein the advertisement display unit is configured to determine a position for displaying each advertisement according to attribute information of each Web page displayed on the display screen.

27. The device of claim 25, wherein the advertisement display unit is configured to select each advertisement to be displayed in relation to each Web page according to attribute information of each Web page displayed on the display screen.

28. The device of claim 25, further comprising:  
an overlay display unit configured to display overlay information in superposition to the multiple Web pages displayed by the Web page display unit, wherein the advertisement display unit displays the advertisements in relation to the multiple Web pages and the overlay information.

29. The device of claim 28, wherein the overlay display unit is configured to display the overlay information in animation, and the advertisement display unit is configured to display the advertisements in animation in accordance with the overlay information displayed in animation.

30. The device of claim 28, wherein the advertisement display unit is configured to determine a position for displaying each advertisement according to attribute information of the overlay information displayed on the display screen.

31. The device of claim 25, further comprising:  
a search unit configured to search the multiple Web pages to be displaying by the Web page display unit according to a user input at the comprehensive information viewing device.

32. A computer usable medium having computer readable program codes embodied therein for causing a computer to function as a comprehensive information display device, the computer readable program codes include:

a first computer readable program code for causing said computer to display multiple Web pages on a display screen of the comprehensive information display device capable of enlarging or contracting each Web page at arbitrary magnification rate smoothly, rotating each Web page at arbitrary angle smoothly, arbitrarily varying and controlling transparency level of a plurality of Web pages that are arranged in superposition such that any overlapped hidden portion can be made visible, and three-dimensionally arranging the multiple Web pages such that the multiple Web pages can be viewed from arbitrary angle; and

a second computer readable program code for causing said computer to display advertisements on the display screen of the comprehensive information viewing device at arbitrary positions, angles, sizes and transparency levels, in relation to the multiple Web pages displayed by the first computer readable program code.

33. The computer usable medium of claim 32, wherein the



second computer readable program code causes said computer to determine a position for displaying each advertisement according to attribute information of each Web page displayed on the display screen.

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34. The computer usable medium of claim 32, wherein the second computer readable program code causes said computer to select each advertisement to be displayed in relation to each Web page according to attribute information of each  
10 Web page displayed on the display screen.

35. The computer usable medium of claim 32, further comprising:

15 a third computer readable program code for causing said computer to display overlay information in superposition to the multiple Web pages displayed by the Web page display unit, wherein the advertisement display unit displays the advertisements in relation to the multiple Web pages and the overlay information.

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36. The computer usable medium of claim 35, wherein the third computer readable program code causes said computer to display the overlay information in animation, and the second computer readable program code causes said computer  
25 to display the advertisements in animation in accordance with the overlay information displayed in animation.

37. The computer usable medium of claim 35, wherein the second computer readable program code causes said computer  
30 to determine a position for displaying each advertisement according to attribute information of the overlay information displayed on the display screen.

38. The computer usable medium of claim 32, further  
35 comprising:

a fourth computer readable program code for causing  
said computer to search the multiple Web pages to be  
displaying by the first computer readable program code  
according to a user input at the comprehensive information  
5 viewing device.

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